

ABSTRACT

A solid state image pickup device 110 is provided with: a plurality of pixel units 10 that are arranged two-dimensionally and include a photoelectric conversion unit (photodiode PD) that
5 converts light into a charge and an amplification unit (amplifier Q13) that converts the charge into a voltage and outputs it; a plurality of noise signal removal units (noise cancellation units 40) that are provided one for each column and remove noises contained in the voltage outputted from the amplifier Q31 of the pixel unit 10
10 belonging to the column; and a plurality of column amplification units (column amplifiers 70) that amplify the voltage outputted from the amplifier Q13 of the pixel unit 10 and output the amplified voltage to the noise cancellation unit 40, and enables increase in sensitivity and reduction in noise with low power consumption.

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